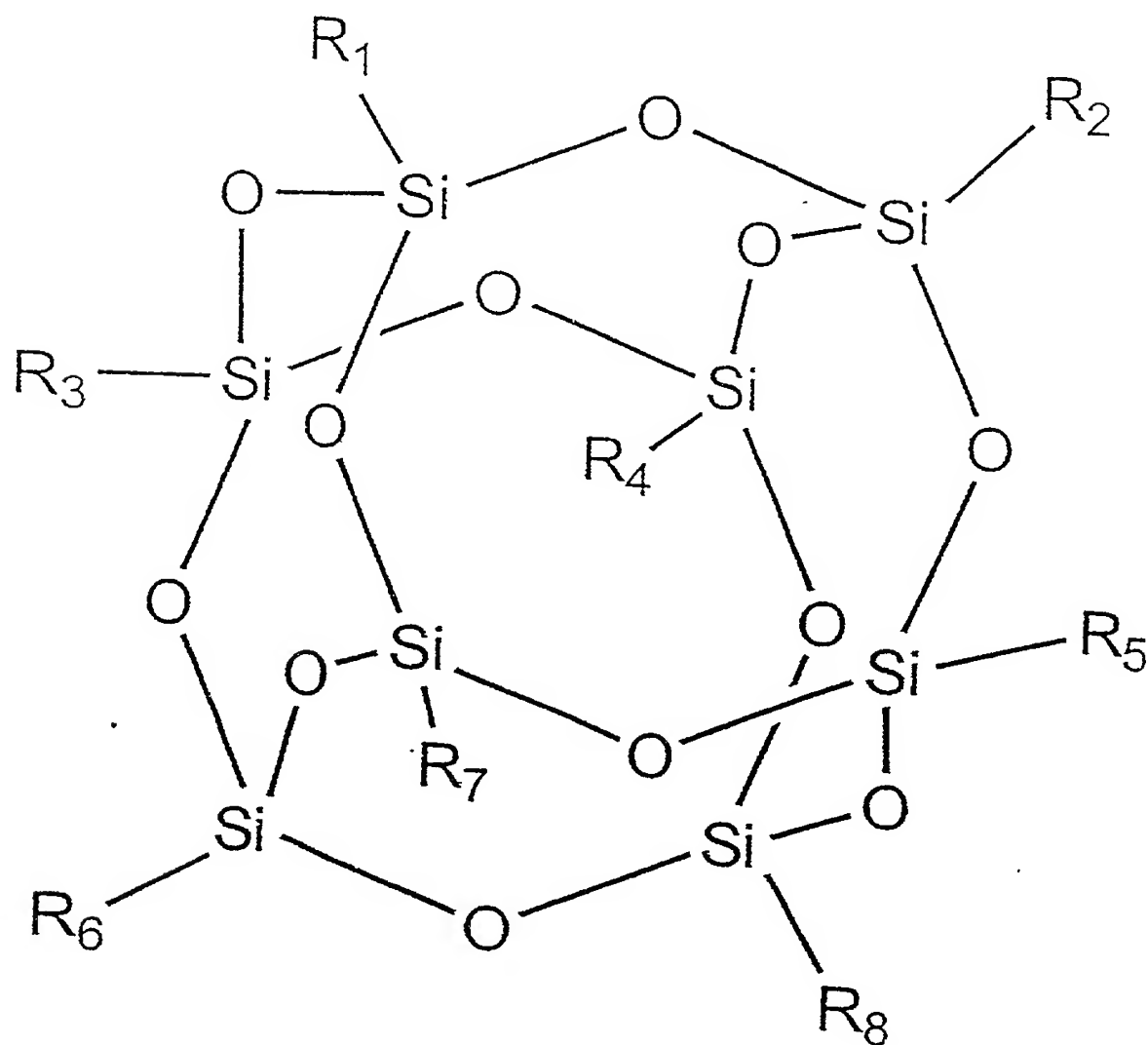
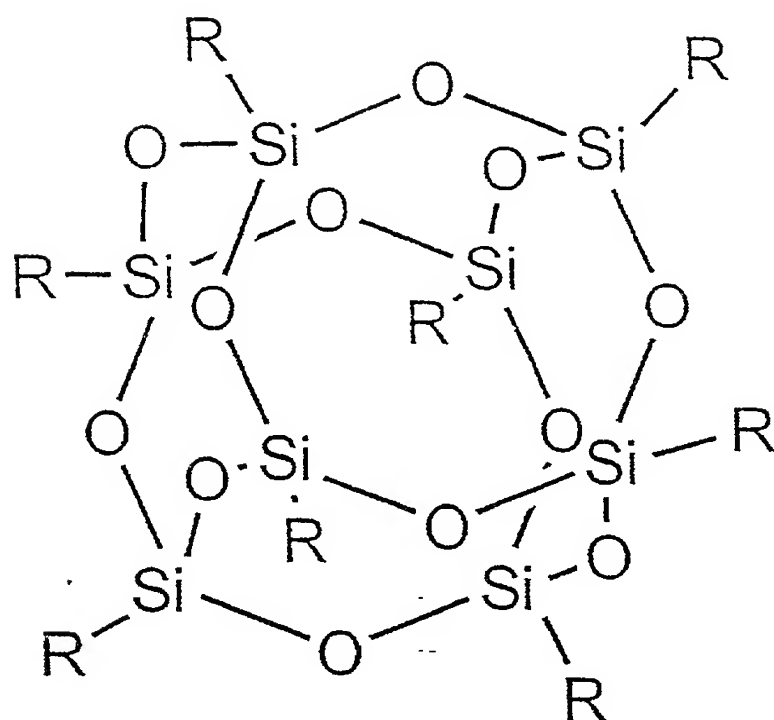


Figure 1

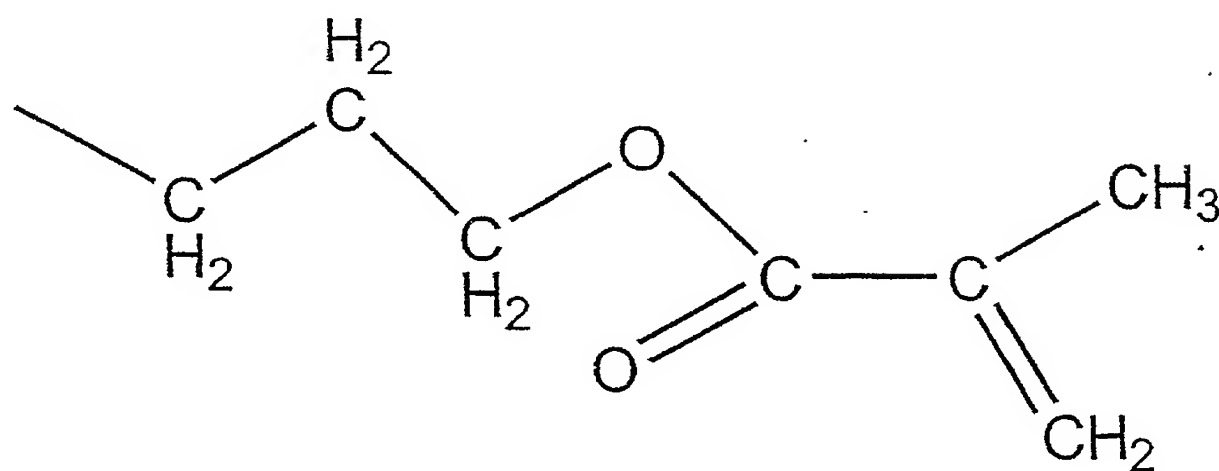


Polyhedral Oligomeric
Silsesquioxanes (POSS)

Figure 2

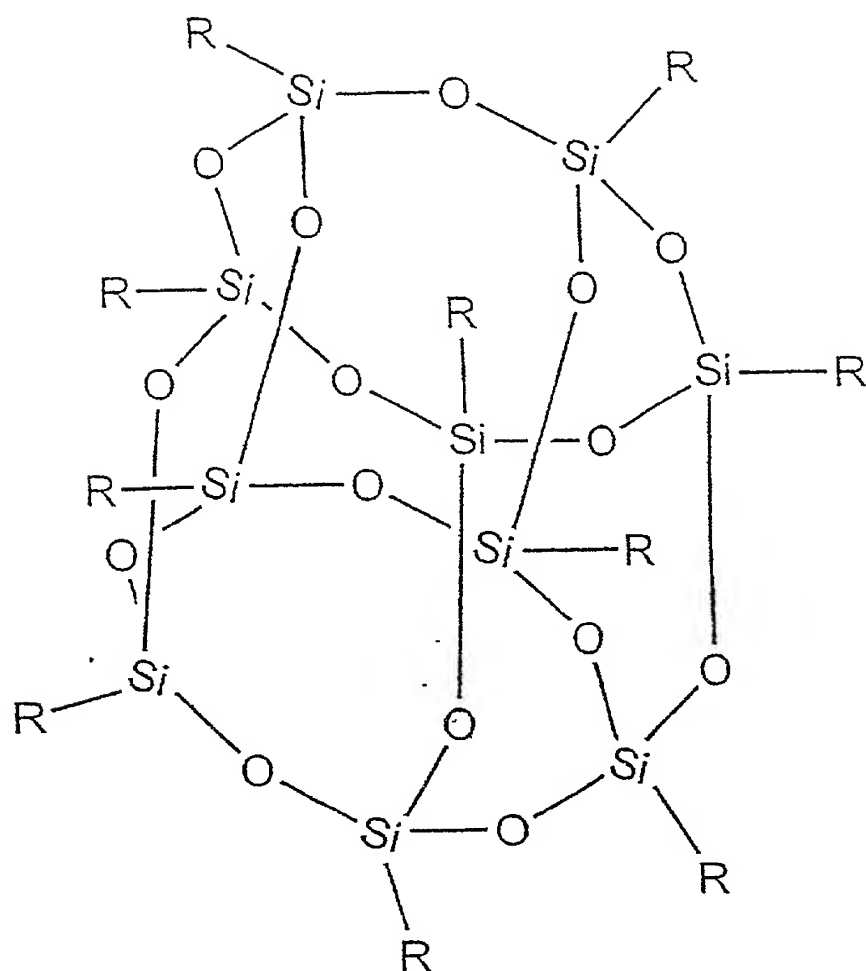


Where R is



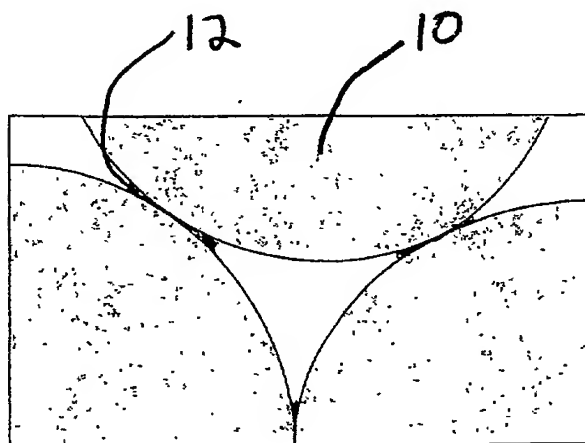
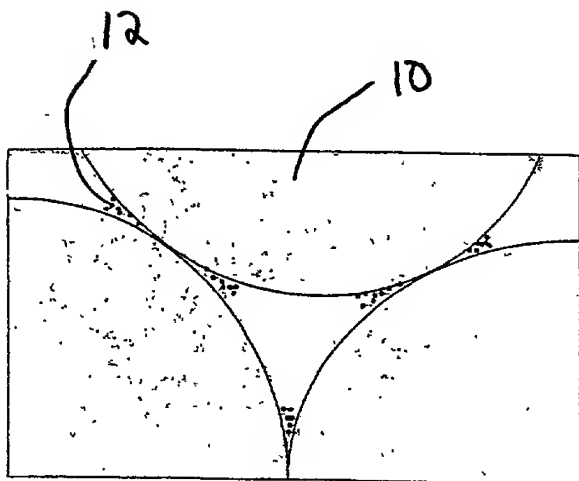
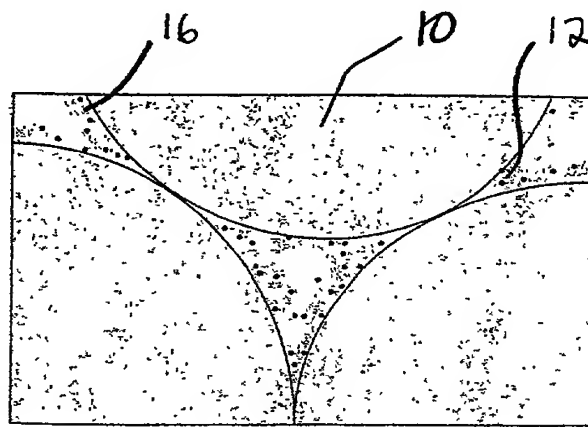
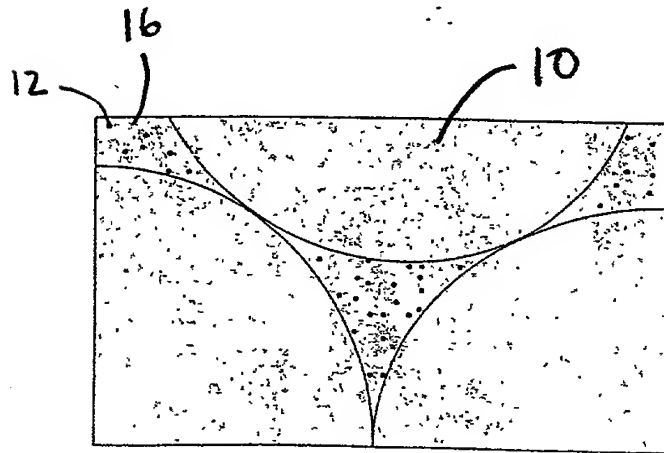
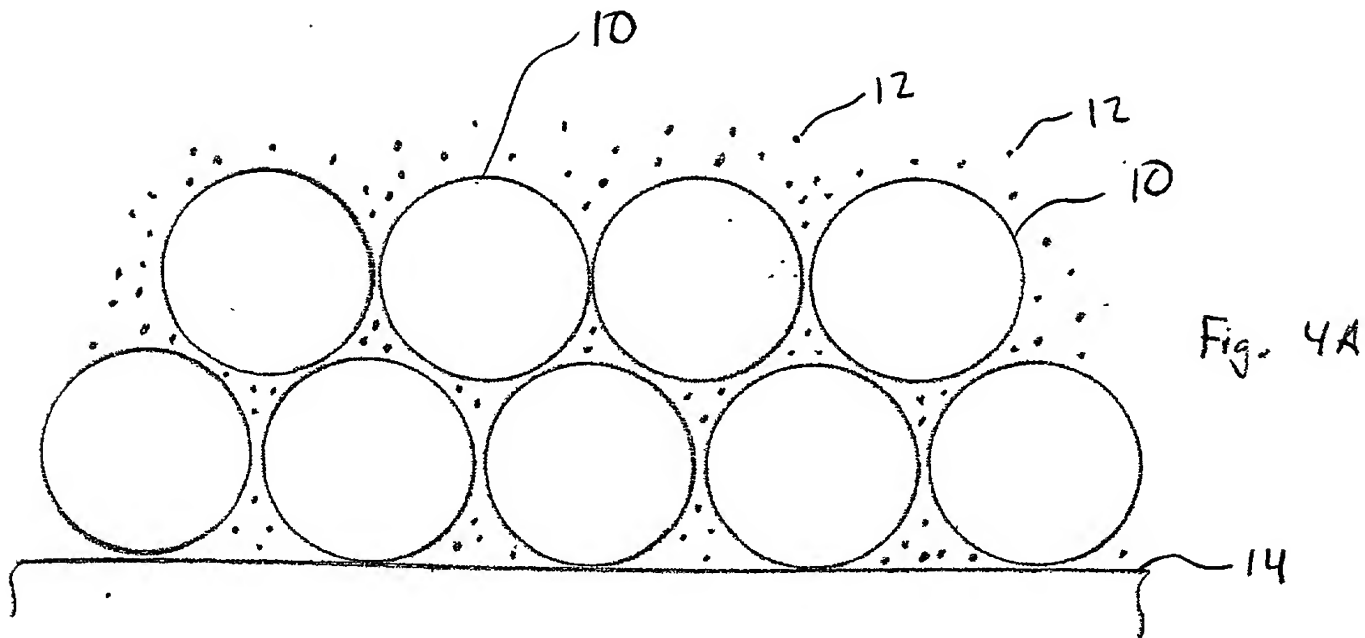
Methacrylate-POSS

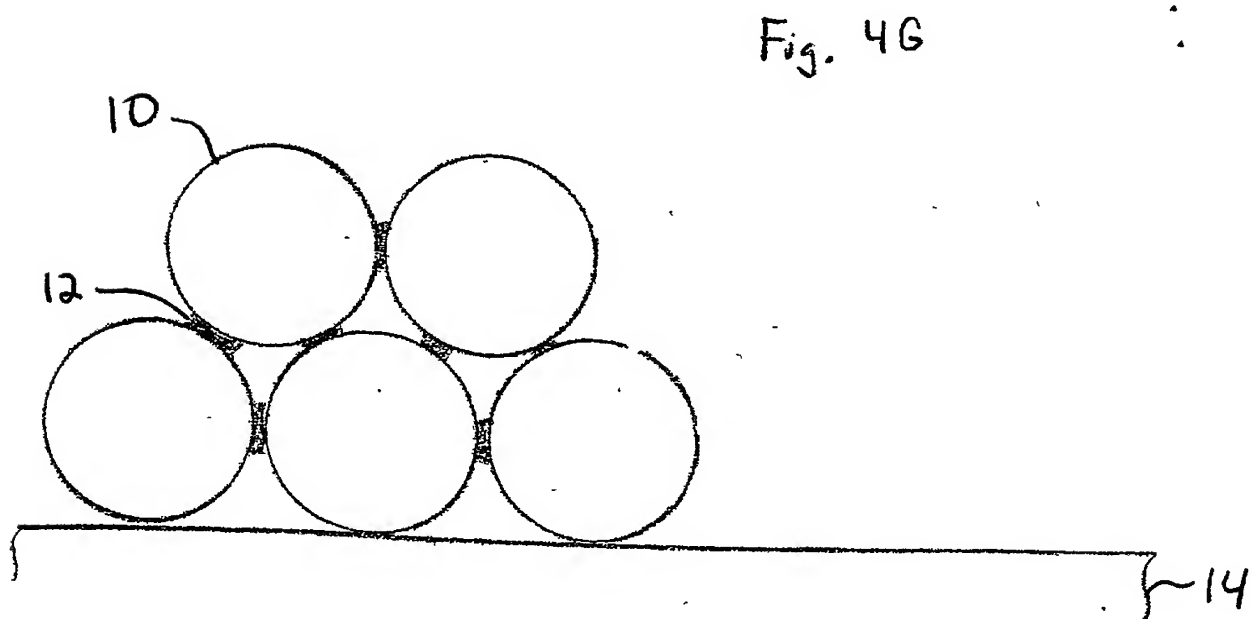
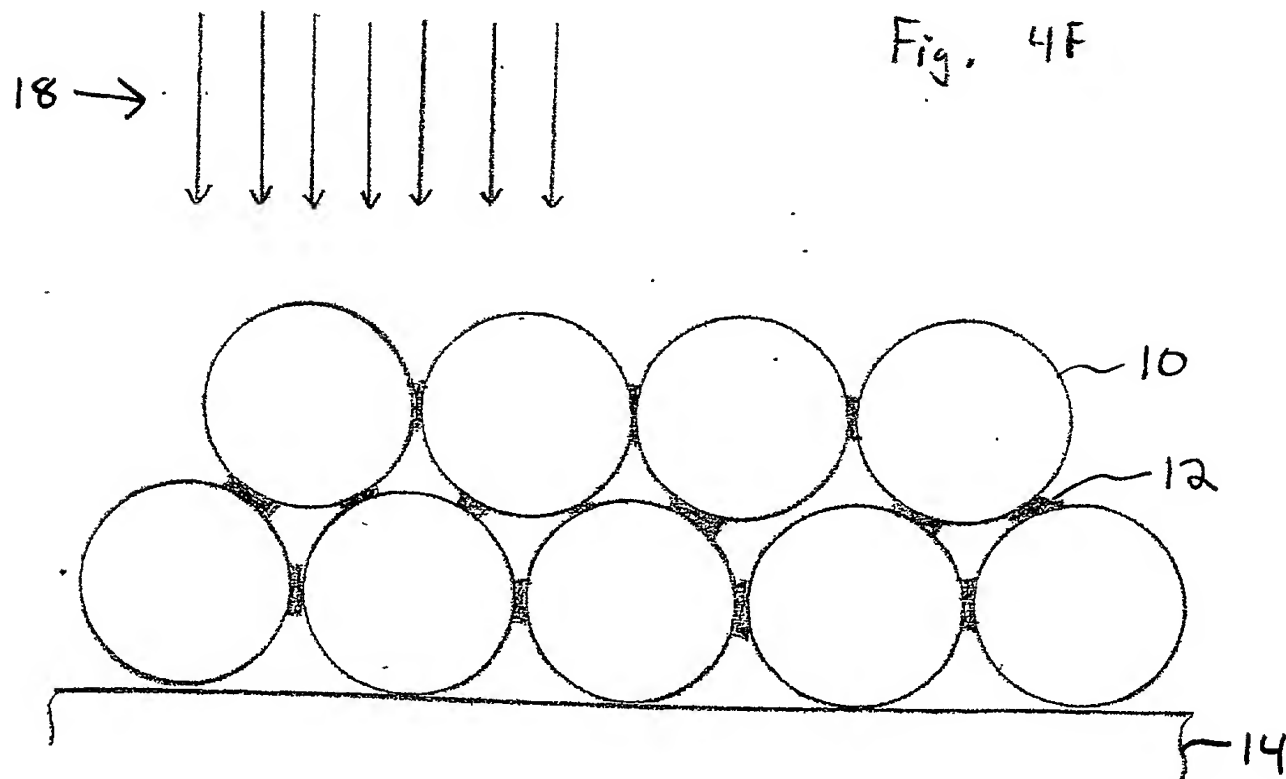
Figure 3



R=vinyl —CH=CH₂

Vinyl-POSS





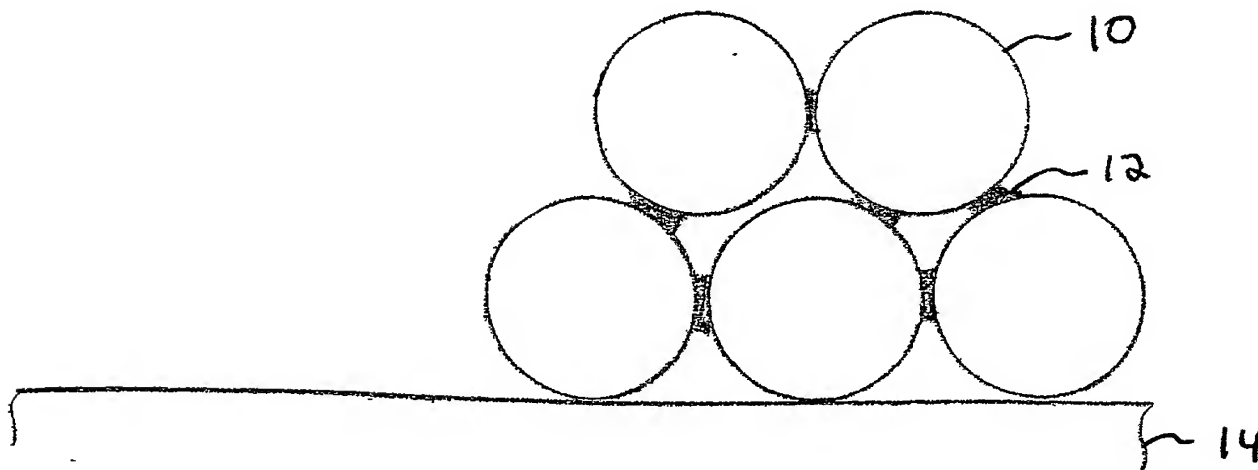
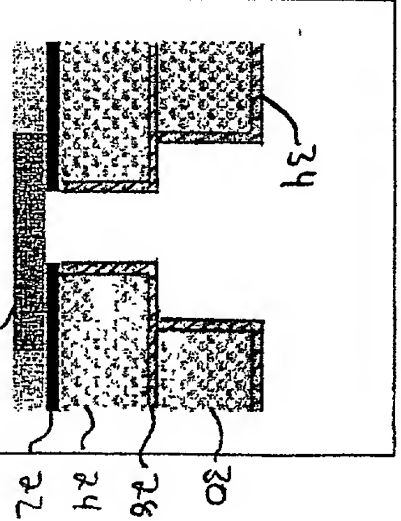
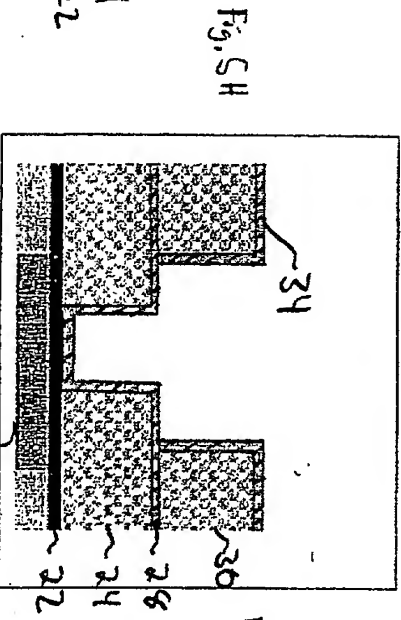
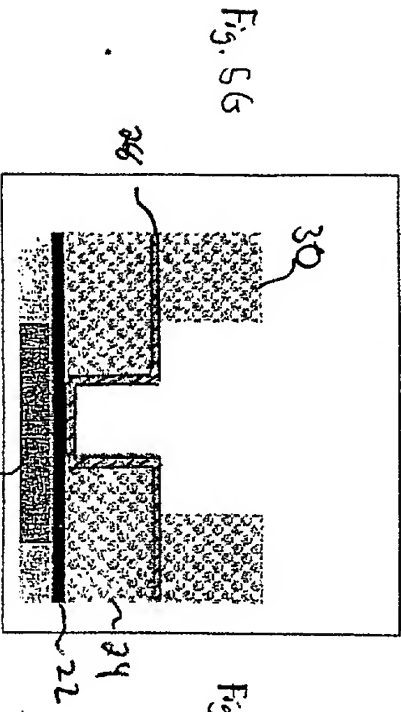
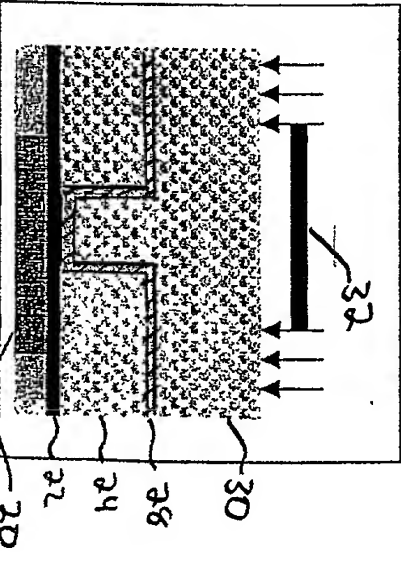
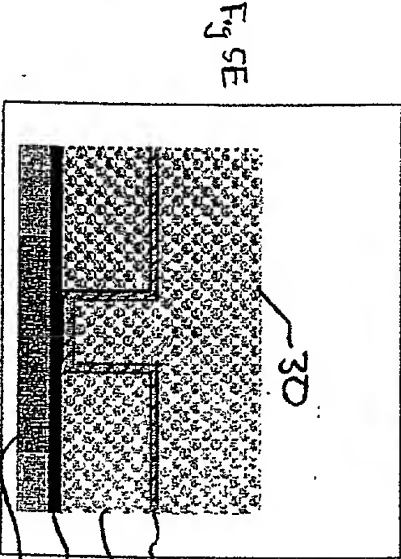
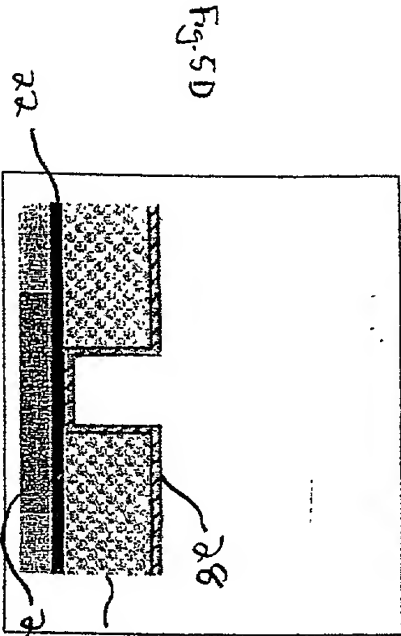
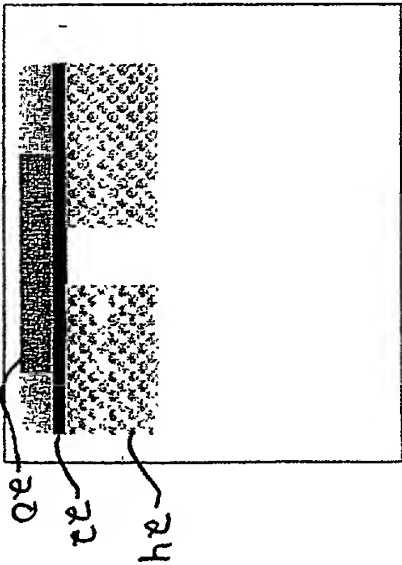
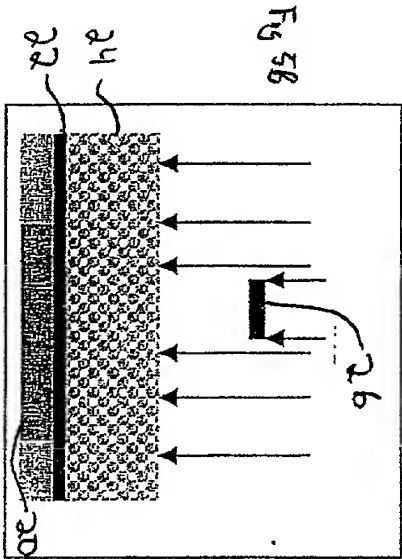
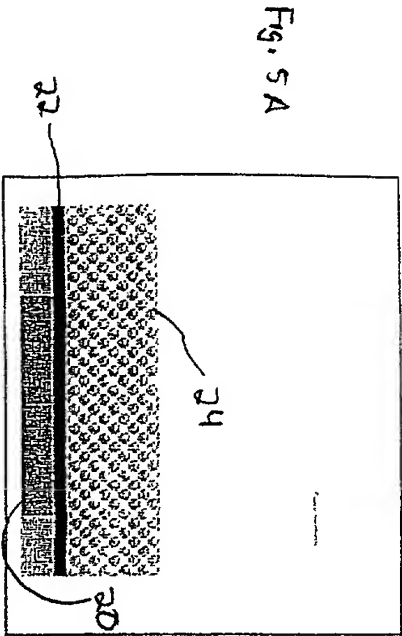


Fig. 44



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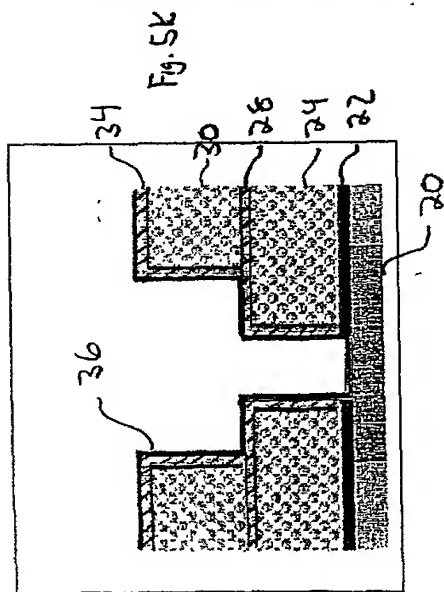
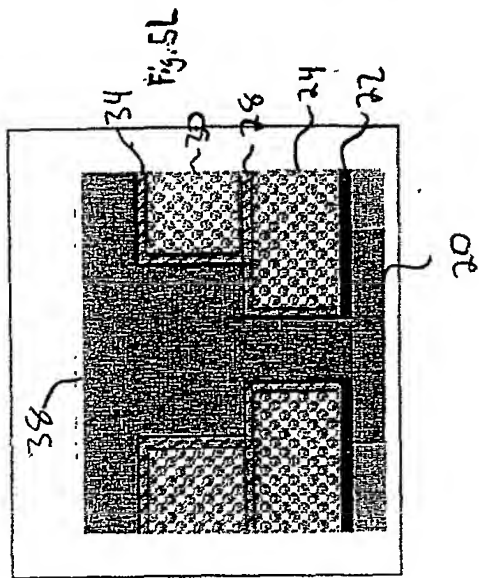
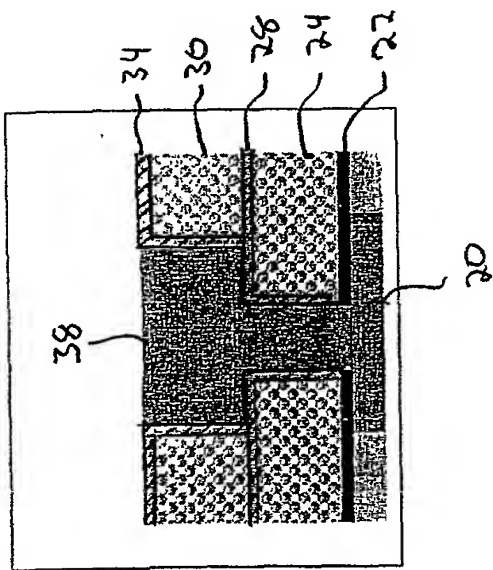


Fig. 5L

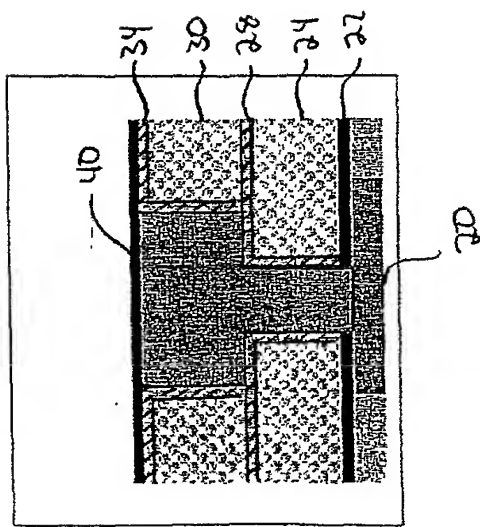


Fig. 5M